NAD SERVICE MANUAL

MONITOR SERIES

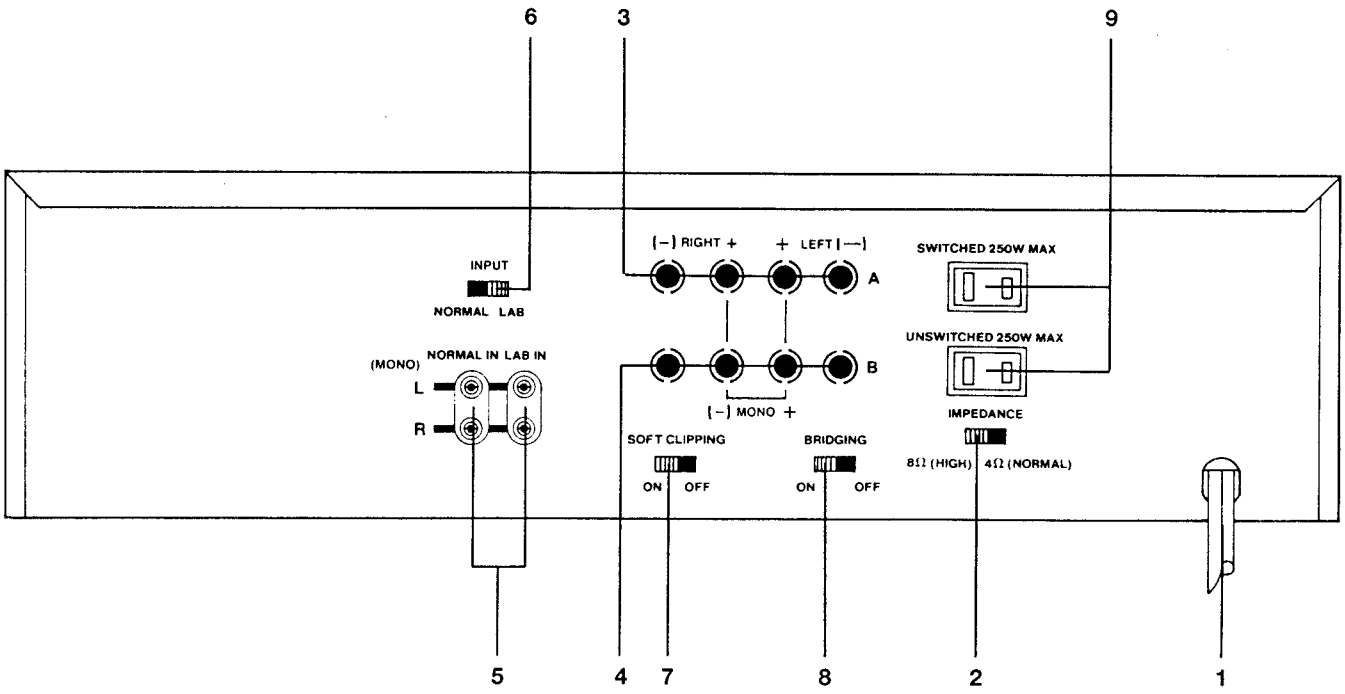
2100

POWER AMPLIFIER

PAGE	CONTENTS
3	REAR / FRONT VIEW
4	SPECIFICATIONS
5	WIRING DIAGRAM
6	AMPLIFIER ADJUSTMENT
7-8	PCB LAYOUT
9-10	SCHEMATIC DIAGRAM
11	DIFFERENT PARTS
12-13	ELECTRICAL PARTS
14	EXPLODED VIEW
15	EXPLODED PARTS
16	PACKING DIAGRAM

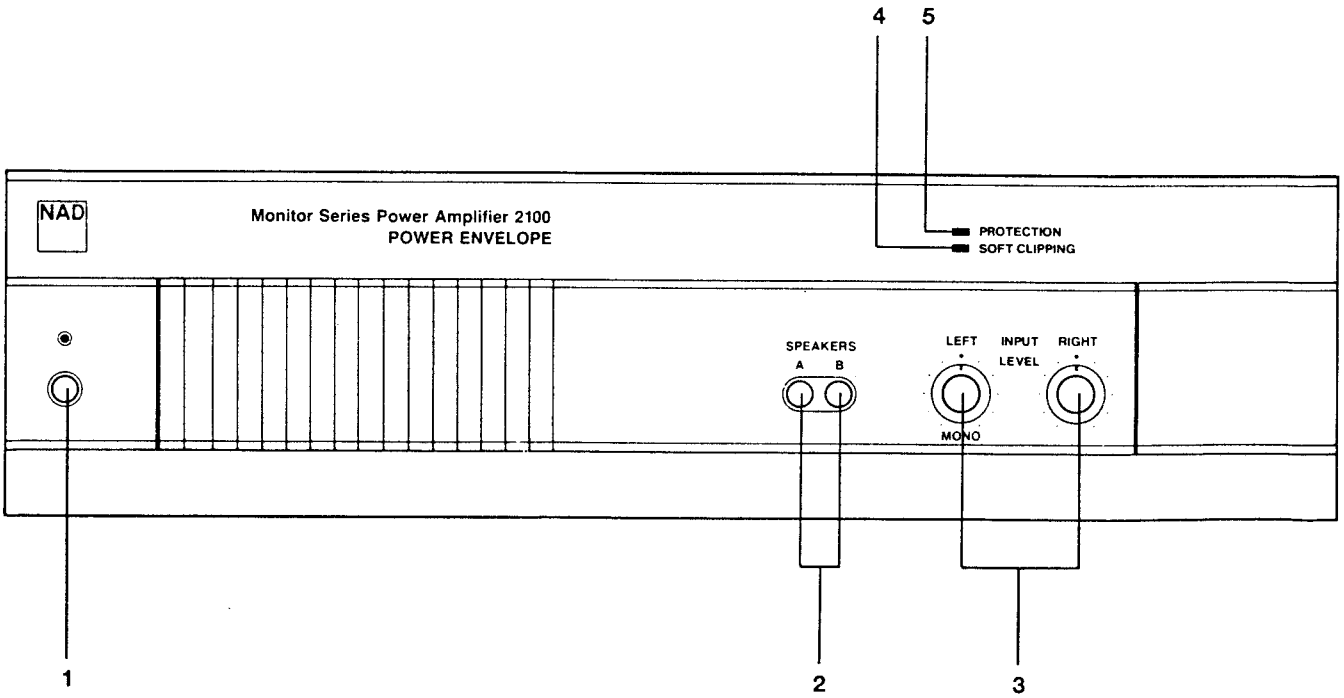
REAR PANEL

1. AC Line Cord.
2. Impedance Selector.
3. Speakers A.
4. Speakers B.
5. Inputs (Normal and Lab).
6. Lab/Normal Selector.
7. Soft Clipping.
8. Bridging.
9. AC Outlets.



FRONT PANEL

1. Power.
2. Speaker Selector.
3. Input Level.
4. Soft Clipping Indicator.
5. Protection Indicator.



SPECIFICATIONS

Measured in accordancae with EIA Standard RS-490(IHF A-202). Measurements referred to 8 ohm are taken with the Speaker lmpedance selector set at 8 ohms (High). Measurements for 4 and 2 ohms are taken with lmpedance selector at 4 ohm (Normal).

NAD 2100 POWER AMPLIFIERS

STEREO MODE :

CONTINUOUS AVERAGE POWER OUTPUT INTO 8 OHMS (Min. RMS power per channel,20Hz-20kHz, both channels driven, with no more than the rated distortion)		50 W(17 dBW)
Rated distortion (THD, 20 Hz-20 kHz)		0.03%
Clipping power, (maximum continuous power per channel)		70 W
IHF Dynamic Headroom at 8 ohms		+6 dB
IHF Dynamic Power (maximum short-term power per channel)	8 ohms	200 W(23 dBW)
	4 ohms	250 W(24 dBW)
	2 ohms	330 W(25 dBW)
Slew factor		>50
Slew rate		35V/usec
Damping factor(ref. 8 ohms. 50 Hz)		100
Input impedance		R=20 kohm C=600pf
Input sensitivity	for 1 Watt	120 mV
	for rated power	0.85V
Voltage Gain		23x(27 dB)
Frequency Response, LAB Input		3 Hz to 100kHz +0, -3 dB
Infrasonic Filter, NORMAL Input		-3 dB at 10Hz, 12 dB/octave
Ultrasonic Filter, NORMAL Input		-3 dB at 60kHz, 12 dB/octave
Signal/Noise Ratio. A-weighted		100 dB ref. 1W 117 dB ref. rated power
THD(Total Harmonic Distortion, 20Hz-20kHz,from 250mW to rated output)		<0.03%
SMPTE I.M.(Intermodulation Distortion, 60Hz + 7kHz,4:1, from 250mW to rated output)		<0.03%
IHF I.M. (CCIF IM Distortion, 19 + 20 kHz at rated output)		<0.03%

BRIDGED (MONOPHONIC) MODE :

CONTINUOUS AVERAGE POWER OUTPUT INTO 8 OHMS(Min. RMS power per channel,20Hz-20kHz, channels driven, with no more than the rated distortion)		150W(21.7 dBW)*
IHF Dynamic Headroom at 8 ohms		+6 dB
IHF Dynamic Power (maximum short-term power per channel)	8 ohms	500 W(27 dBW)
	4 ohms	660 W(28 dBW)

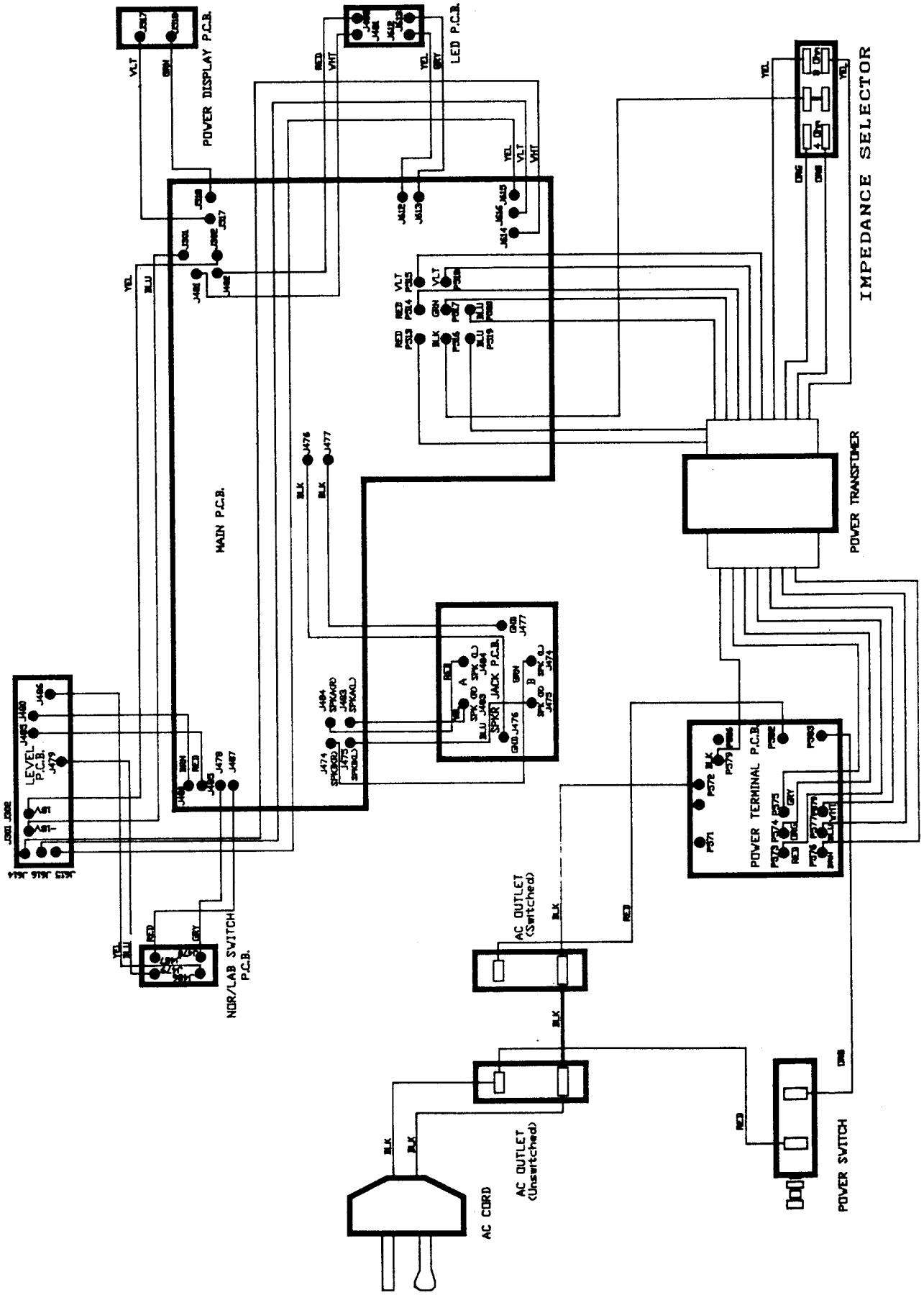
*In some countries local regulations require that bridged 8 ohm power be measured with the speaker impedance switch in the 4 ohm position resulting in bridged RMS outputs of 100 W(20 dBW).

PHYSICAL SPECIFICATIONS

Width x Height x Depth	43.5 x 10.8 x 38.1 cm. 17.1 x 4.25 x 15 in.
Net Weight	9.52 kg(21 lbs).
Shipping Weight	10.88 kg(25 lbs).
Power Consumption	50/60 Hz at 110,120, 220, or 240 VAC/220 VA.

Specifications are those in effect at the time of printing. NAD reserves the right to change specifications or designs at any time without notice.

NAD-2100 WIRING DIAGRAM



MAIN AMPLIFIER ADJUSTMENT

IMPORTANT NOTES:

1) Before adjusting, remove input signal and load, and set Speaker impedance switch to 8 ohms (reset to 4 ohms when finished).
2) These adjustments are always necessary after repair to main amplifier.
3) After repair, it is recommended to use current limiter (70-100W lightbulb) in mains line, for initial turn-on.

A. CENTER VOLTAGE CHECK

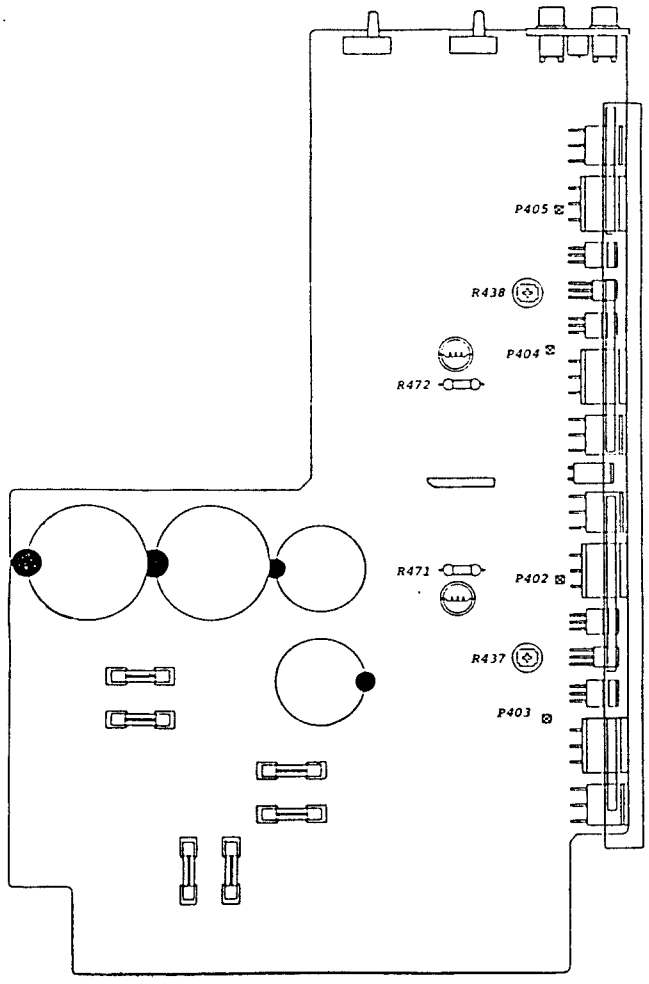
1. Connect DMM between Ground and R-471 (L channel)(R-472, R channel)(amplifier output).
2. Turn on, and read voltage. Specification 0V ± 100mVDC.

B. IDLE CURRENT ADJUSTMENT

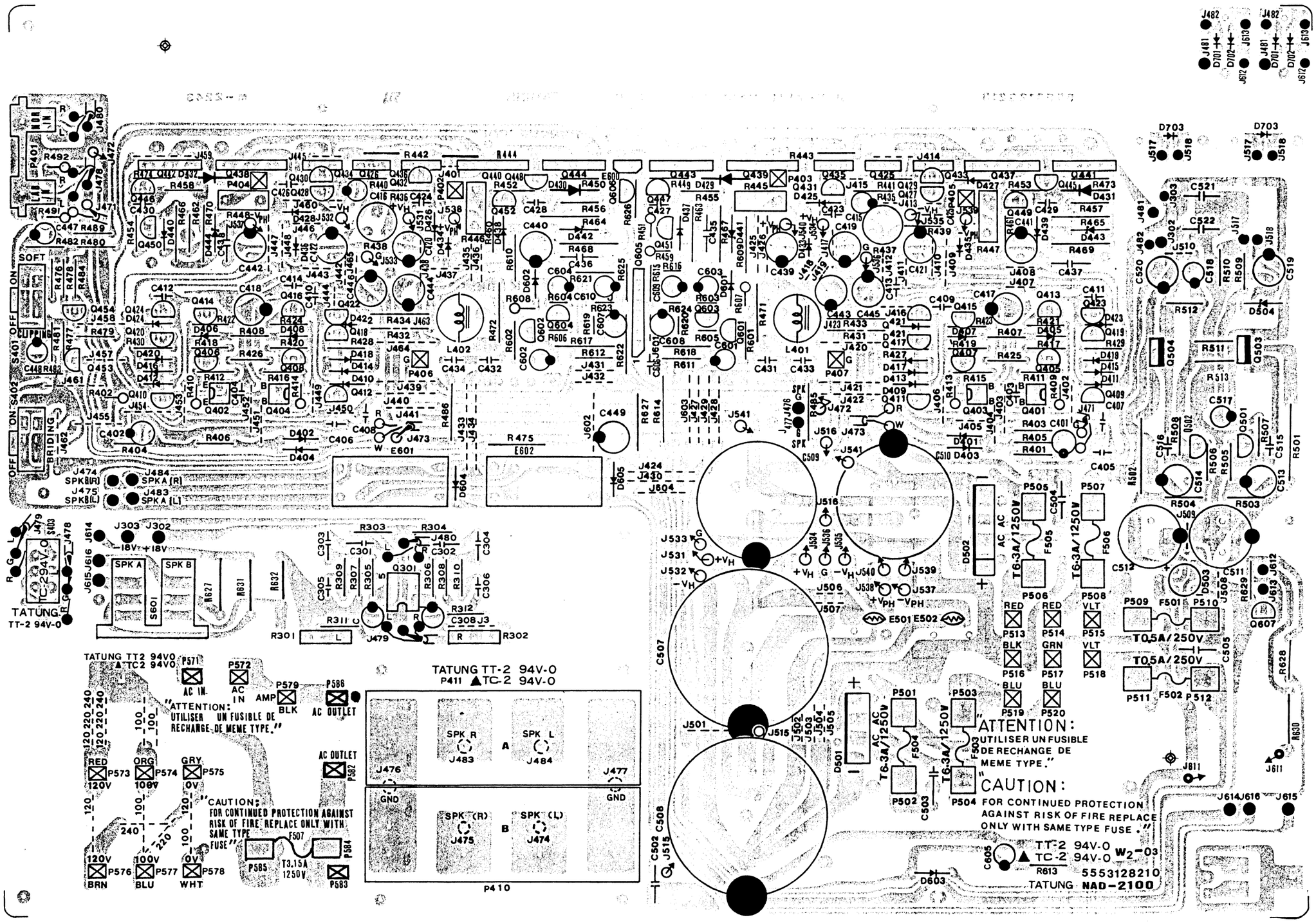
1. Connect DMM across P-402(+) and P-403(-), and adjust R-437 for reading of 15mV ± 2.5mVDC.
2. Repeat, using P-404(+) and P-405(-), adjust R-438.

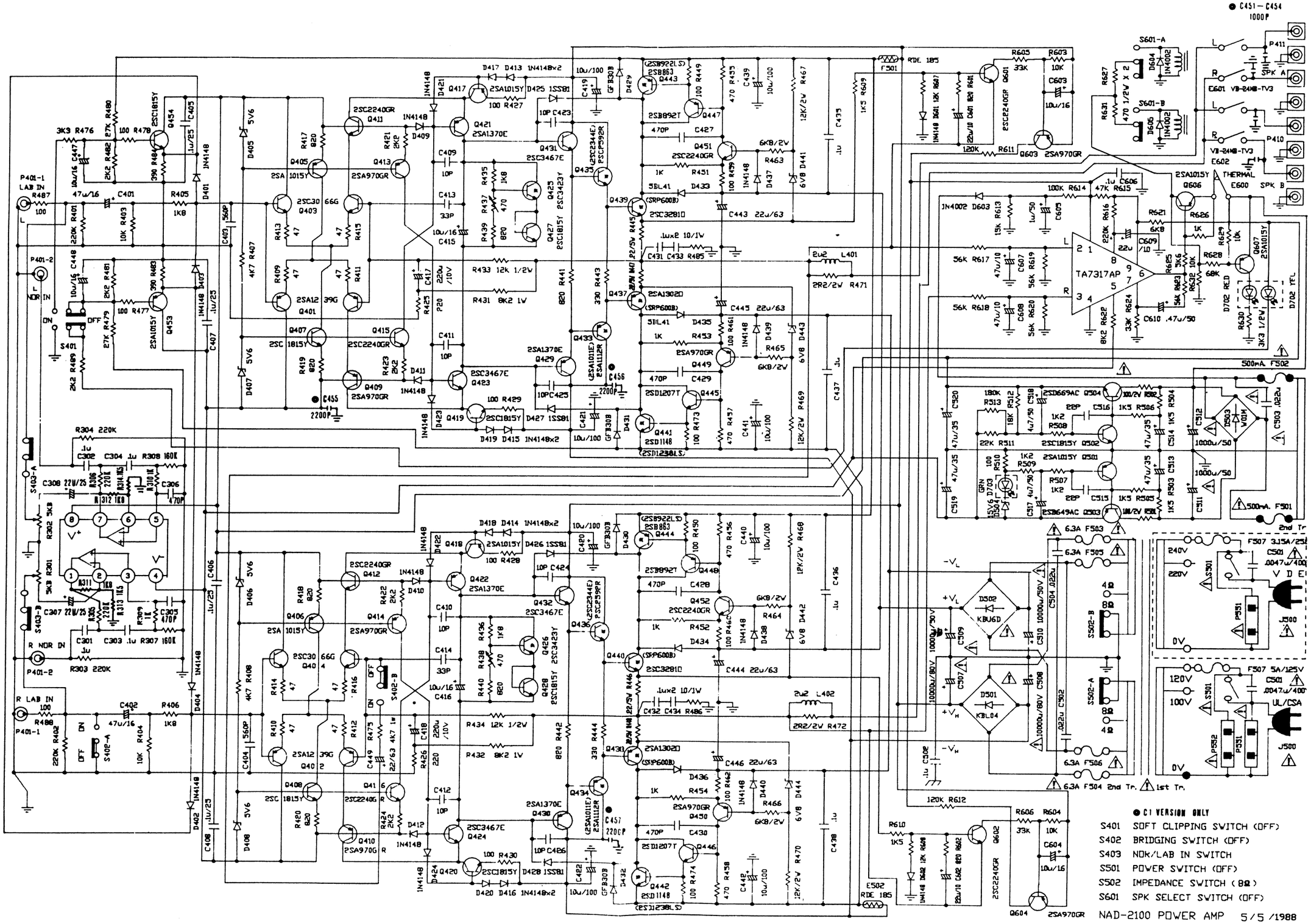
C. FINAL ADJUSTMENT

1. Leave power on minimum 5 minutes.
2. Repeat center voltage check and idle current adjustments.



PCB LAYOUT


TATUNG TT-2 94V-0
TC-2 94V-0
SPK A
SPK B
S601
J476
J477
SPK R
SPK L
J483
J484
J475
J474
GND
P410
P411
AC IN
P571
P572
P579
P586
AMP
BLK
AC OUTLET
"ATTENTION: UTILISER UN FUSIBLE DE RECHANGE DE MEME TYPE."
"CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE REPLACE ONLY WITH SAME TYPE FUSE"
F507
T3.15A 1250V
P585
P584
P583
P573
P574
P575
P576
P577
P578
RED
ORG
GRY
BRN
BLU
WHT
120V
100V
0V
P501
P502
P503
P504
"ATTENTION: UTILISER UN FUSIBLE DE RECHANGE DE MEME TYPE."
"CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE REPLACE ONLY WITH SAME TYPE FUSE."
T6.3A/1250V
F505
F506
P505
P506
P507
P508
RED
VLT
BLK
GRN
BLU
P513
P514
P515
P516
P517
P518
P519
P520
T0.5A/250V
P509
P510
P511
P512
F501
F502
TT-2 94V-0 W2-03
TC-2 94V-0
555128210
TATUNG NAD-2100


● C451 – C454 1000P
S601-A
S601-B
P411
P410
SPK A
SPK B
E601 VB-24KB-TV3
E602 VB-24KB-TV3
E600 THERMAL
P401-1 LAB IN
P401-2 NOR IN
S401
S402-A
S402-B
S403-A
S403-B
S501
S502-A
S502-B
TA7317AP
KBU6D
KBL04
500mA F502
6.3A F503
6.3A F505
6.3A F506
6.3A F504 2nd Tr.
1st Tr.
F507 3.15A/250V
F507 5A/125V
240V
220V
120V
100V
0V
4Ω
8Ω
J500
UL/CSA
E501
E502
F501
L401
L402
● C1 VERSION ONLY
S401 SOFT CLIPPING SWITCH (OFF)
S402 BRIDGING SWITCH (OFF)
S403 NOR/LAB IN SWITCH
S501 POWER SWITCH (OFF)
S502 IMPEDANCE SWITCH (8Ω)
S601 SPK SELECT SWITCH (OFF)
NAD-2100 POWER AMP 5/5/1988

NAD-2100 DIFFERENT PARTS LIST (A1 REF.)

PARTS NO.	DESCRIPTION	SPECIFICATION	A1	A	B	B1	C	C1	UM
5090106023	PACKING ASS'Y	NAD-2100-46	1						PC
5090106034	PACKING ASS'Y	NAD-2100-A		1					PC
5090106035	PACKING ASS'Y	NAD-2100-B			1				PC
5090106036	PACKING ASS'Y	NAD-2100-B1				1			PC
5090106037	PACKING ASS'Y	NAD-2100-C					1		PC
5090106038	PACKING ASS'Y	NAD-2100-C1						1	PC
5090306023	CHASSIS ASS'Y	NAD-2100-46	1						PC
5090306034	CHASSIS ASS'Y	NAD-2100-A		1					PC
5090306035	CHASSIS ASS'Y	NAD-2100-B			1				PC
5090306036	CHASSIS ASS'Y	NAD-2100-B1				1			PC
5090306037	CHASSIS ASS'Y	NAD-2100-C					1		PC
5090306038	CHASSIS ASS'Y	NAD-2100-C1						1	PC
5090406029	PCB ASS'Y	NAD-2100-46	1	1					PC
5090406043	PCB ASS'Y	NAD-2100-B			1	1			PC
5090406044	PCB ASS'Y	NAD-2100-C					1		PC
5090406045	PCB ASS'Y	NAD-2100-C1						1	PC
5090906076	MAIN PCB BLOCK	NAD-2100-46	1	1					PC
5090906078	SPEAKER JACK PCB BLOCK	NAD-2100-46	1	1	1	1		1	PC
5090906092	POWER TERMINAL	NAD-2100-46	1	1					PC
5090906111	MAIN PCB BLOCK	NAD-2100-B			1	1	1	1	PC
5090906112	POWER TERMINAL PCB BLOCK	NAD-2100-B			1	1			PC
5090906113	SPEAKER JACK PCB BLOCK	NAD-2100-C					1		PC
5090906114	POWER TERMINAL PCB BLOCK	NAD-2100-C					1	1	PC
5231510201	CAPACITOR,CERAMIC	TS-PV-C032C DC 50V 1000PF						4	PC
5231522201	CAPACITOR,CERAMIC	TS-PV-C032C DC 50V 2200PF			2	2	2	3	PC
5535203600	MARRANTY CARD	NAD-3220/7220			1				PC
5535203700	MARRANTY CARD(A1)	NAD-3220/7220	1						PC
5535444900	SPEC. LABEL	120V UL-1 A		3					PC
5535444910	SPEC. LABEL	120V UL-1 A1	3						PC
5535444920	SPCE. LABLE	240V BS B			3				PC
5535444930	SPEC. LABEL	240V SA-2 B1				3			PC
5535444940	SPEC. LABEL	220V CEE-2 C					3		PC
5535444950	SPEC. LABEL	220V CEE-2 C1						3	PC
5535447800	SAFETY INSTRUCTION	NAD-USA	1						PC
5535448400	LABEL , CAUTION	UL	2						PC
5547034400	FLAT PIN 1.7 x 1.7 x 9.4	NAD-7100/2100, K-4683	10	10	12	12	12	12	PC
5554303401	FUSE 5.2*20 UL/CSA	125V, 6.3A	4	4					PC
5554306500	FUSE 5.2*20	T51 250V 500MA SEMKO			2	2	2	2	PC
5554306501	FUSE UL & CSA 5.2*20	250V 500MA	2	2					PC
5554307300	FUSE SEMKO 5.2*2#p 5ST	250V 3.15A TIME LAG			1	1	1	1	PC
5554307501	FUSE UL/CSA 5.2*20 5MT5	125V 5A MEDIUM BLOW	1	1					PC
5554307600	FUSE 5.2*20 (TINE LAG)	250V 6.3A SEMKO			4	4	4	4	PC
5556205420	SPEAKER TERMINAL	SO-6249	2	2	2	2		2	PC
5556205430	SPEAKER TERMINAL	SO-6250 (UL)					2		PC
5556308320	AC OUTLET (PLOARIZED)	S-I6519-02#01/MJC-030	2	2					PC
5556311400	AC SOCKET	S-I6536#01			1	1	1	1	PC
5556700131	AC POWER CORD W/PLUG BLK (VDE)	PL-21 42/0.15*2C*1.8M					1	1	PC
5556701310	POWER CORD BLK GTBS-2F 0.75MM2	24/0.2*2C*2M (BS)			1				PC
5556702011	AC POWER CORD W/PLUG BLK (SAA)	SAA 42/0.15*2C*1.8M				1			PC
5556702130	AC POWER W/PLUG PL. BLK UL/CSA	SPT-2 41/0.16*2C*1.8M	1	1					PC
6101006000	WIRE,TIN COATED SOFT COPPER	0.6 ㎜	5.1	5.1	5.04	5.04	5.04	5.04	M
6140071900	WIRE,PVC DOUBLE-LAYER,BLACK	22AWG 17/0.16 UL1617			0.59	0.59	0.59	0.59	M
6140071922	WIRE,PVC DOUBLE-LAYER,RED	22AWG 17/0.16 UL1617			0.58	0.58	0.58	0.58	M
6140071933	WIRE,PVC DOUBLE-LAYER,ORN	22AWG 17/0.16 UL1617			0.46	0.46	0.46	0.46	M
6176560600	WIRE,PVC (COATING)UL,CSA BLK	600V 5A 7/0.26 T=105	0.71	0.71					M
6176560602	WIRE,PVC (COATING)UL,CSA RED	600V 5A 7/0.26 T=105	0.58	0.58					M
6176560603	WIRE,PVC (COATING)UL,CSA ORN	600V 5A 7/0.26 T=105	0.46	0.46					M
6615005734	DI ZEN UZ-5.6B-M UNI	5.4-5.8V 0.5W TAPING 26MM	4	4					PC
6615009757	DI ZEN HZ6-A-3 HIT	0.5W 5.4-5.7V TAPING 52M			4	4	4	4	PC
6707020100	PVC TUBE (BLACK)							.042	M

NAD-2100 PARTS LIST : A1

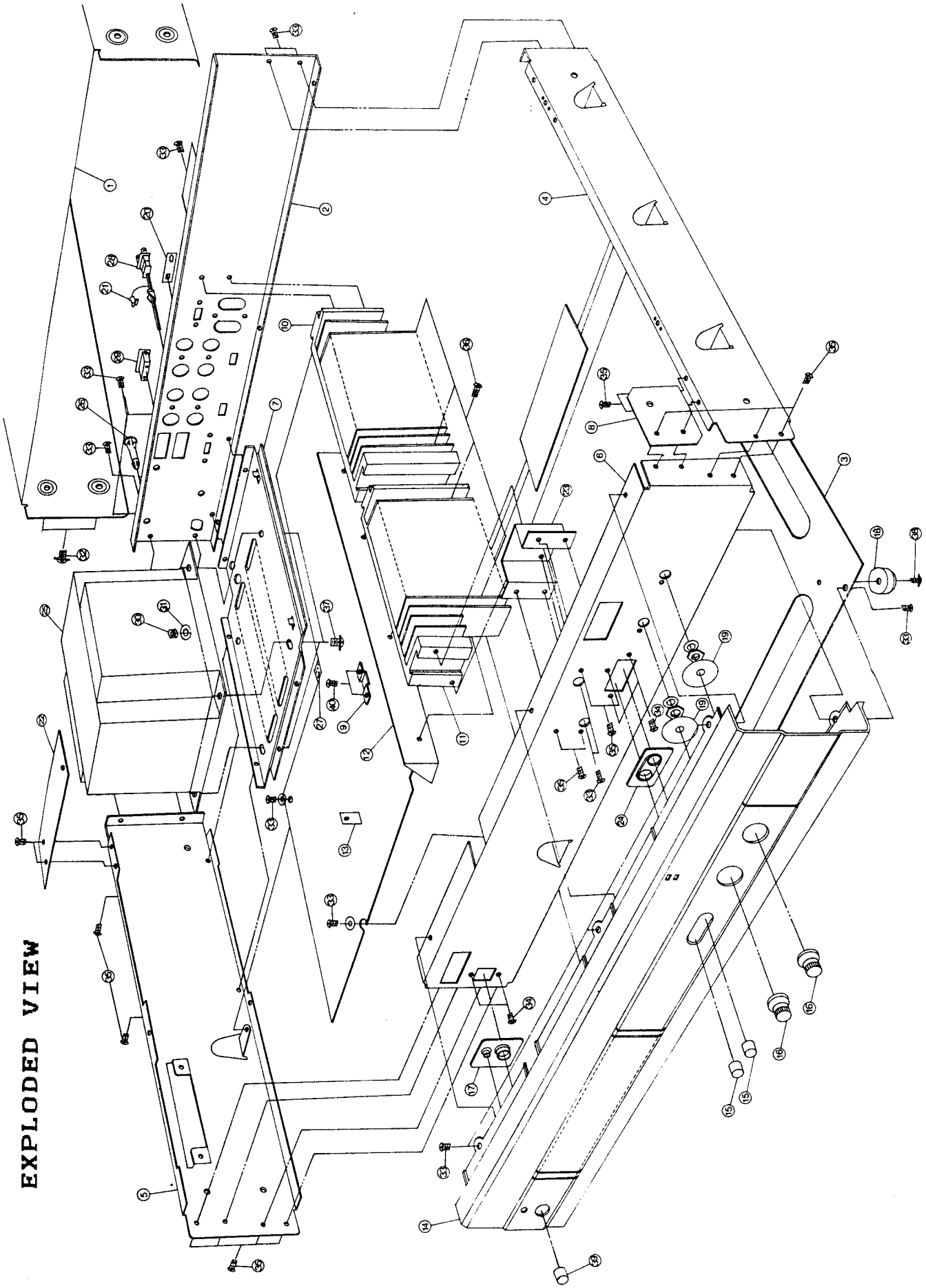
PARTS NO.	DESCRIPTION	SPECIFICATION	SYMBOL NO.	QTY	UM
5090106023	PACKING ASS'Y (PARENT BLOCK)	NAD-2100-46		1	pcs
5535444850	SERIAL LABEL	NAD-7100	1P01,1P02	2	pcs
9520680155	EPS PAD-L NAD-7100	445* 178* 106 SG0.018	1P03	1	pcs
9520680255	EPS PAD-R NAD-7100	445* 178* 106 SG0.018	1P04	1	pcs
9510680155	RS CARTON NAD-2100, M-030935	E 198* 536* 455WDBS18.0	1P07	1	pcs
9510686155	RS CARTON NAD-2100	E 454* 556* 475 DBS18.0	1P08	1	pcs
9554100400	PE BAG	0.04* 250* 100	1P07	1	pcs
9554130900	PE BAG	0.04* 325* 225	1P08	1	pcs
9530520155	PRINT PE BAG, NAD-3020E	0.04* 600* 525	1P09	1	pcs
9530680155	EPE BAG NAD-7100	1* 45* 440* 105	1P10	1	pcs
5535444910	SPEC. LABEL	120V UL-1 A1	1P12-1P14	3	pcs
5535203700	WARRANTY CARD(A1)	NAD-3220/7220	1P15	1	pcs
5535121940	OWNERS MANUAL	NAD-2100	Y500	1	pcs
5090306023	CHASSIS ASS'Y (PARENT BLOCK)	NAD-2100-46		1	pcs
5535444850	SERIAL LABEL	NAD-7100	2B01	1	pcs
5535447600	R.O.C. LABEL	NAD-SERIES	2B02	1	pcs
5541539000	PUSH KNOB	NAD-2100	3F01	1	pcs
5541537500	CONTROL KNOB	NAD-7100	3F02,3F03	2	pcs
5541537400	KNOB HOLDER	NAD-7100	3F04,3F05	2	pcs
5541537700	PUSH BUTTON	NAD-7100	3F07,3F08	2	pcs
5547132300	BACK PLATE	NAD-2100	5B01	1	pcs
5556200800	LUG	3.1MM	5B02	1	pcs
5547131100	TRS. PLATE	NAD-7100	5C01	1	pcs
5545307800	HEAT SINK (A)	NAD-7100	5C03	1	pcs
5545307810	HEAT SINK (B)	NAD-7100	5C04	1	pcs
5547024210	HEAT SINK	NAD-7220/3220	5C06,5C07	2	pcs
5547034100	HEAT SINK BRACKET	NAD-2100	5C08	1	pcs
5546323400	TRANSISTOR RING	NAD-7100	5C11	1	pcs
5541002400	TOP COVER	NAD-2100	5F01	1	pcs
5547033800	BRACKET PLATE (R)	NAD-7100	5F04	1	pcs
5547131600	PLATE (L)	NAD-7100	5F02	1	pcs
5547131700	PLATE (R)	NAD-7100	5F05	1	pcs
5547131800	CHASSIS	NAD-7100	5S01	1	pcs
5547132000	FRONT BRACKET	NAD-7100	5F03	1	pcs
5535445000	INSPECTION,LABEL	NAD-SERIES	5S02	1	pcs
5547501200	BUSHING,POWER CORD	SR-4P-4	6B01	1	pcs
5547528400	PLATE,SWITCH LOCK (PVC)	NAD-310/710	6B02	1	pcs
5542223300	HOLDER-PCB	NAD-3220	6B03-6B05	3	pcs
5547802120	FOOT	NAD-7100	6C01-6C04	4	pcs
5545403700	SHIELD COVER	NAD-7100	6C07	1	pcs
5541213400	FRONT PANEL	NAD-2100	6F01	1	pcs
5542006100	NEMELON (S)	28 * 6.5MM	6F02,6F03	2	pcs
5547528600	PVC TUBE (BLACK)	D=30 x L=65mm	6F04	1	pcs
5542226100	POWER BEZEL	NAD-7100	6F05	1	pcs
5542226700	BEZEL	NAD-2100	6F06	1	pcs
7033161156	SCREW BPB M3*8 S-PC	C RUD 300B TS RC	7B01-7B17,7B38-7B41 7F01-7F04,7S18,7S19,	27	pcs
7001120216	SCREW	C PAN M2.5*4 MS PC	7B18,7B19	2	pcs
7001171116	SCREW ISO PP M3*8 S-PC	C PAN M3*6 MS PC	7B30,7B31	2	pcs
7000305022	SCREW BTBW M3*10 S-AN-CC	M3*10 S-AN-CC	7B32-7B35	4	pcs
7033160652	SCREW BPB M3*6 S-ZN-CC	C RUD 3006 TS ZN-CC	7C01-7C32	32	pcs
7001170612	SCREW ISO PP M3*6 S-ZN-CC	C PAN M3*6 MS ZN-CC	7F05,7F06,7T13,7T14	4	pcs
7190550003	SCREW ISO PPW M4*6 ZN-PC(BLK)	M4*6 (10*3.6*1 t)	7F07-7F12	6	pcs
7033161452	SCREW BPB M3*10 S-ZN-CC	C PAN 3010 TS ZN-CC	7S20-7S23	4	pcs
7000311122	SCREW ISO PPW M4*10 S-ZN-CC	M4*10 S-ZN-CC	7T01-7T04	4	pcs
7076260012	NUT 4			4	pcs
7098250002	WASHER			4	pcs
5230102701	CAP.,CERAMIC CK45 (KC)	400V 4700PFM	C501	1	pcs
5532410700	SPACER			1	pcs
6130005454	WIRE,PVC GREEN/YELLOW	20AWG 7/0.32 UL1007	J474	0.18	M
6130005466	WIRE,PVC BLUE	20AWG 7/0.32 UL1007	J475	0.16	M
6130005400	WIRE,PVC BLACK	20AWG 7/0.32 UL1007	J476,J477	0.72	M
6130005444	WIRE,PVC YELLOW	20AWG 7/0.32 UL1007	J483	0.13	M
6130005422	WIRE,PVC RED	20AWG 7/0.32 UL1007	J484	0.15	M
5556702130	AC POWER W/PLUG PL.BLK UL/CSA	SPT-2 41/0.16*2C*1.8M	J500	1	pcs
6176560602	WIRE,PVC (COATING)UL,CSA RED	600V 5A 7/0.26 T=105	J551	0.12	M
6176560600	WIRE,PVC (COATING)UL,CSA BLK	600V 5A 7/0.26 T=105	J552	0.12	M
6176560603	WIRE,PVC (COATING)UL,CSA ORN	600V 5A 7/0.26 T=105	J553	0.46	M
6176560600	WIRE,PVC (COATING)UL,CSA BLK	600V 5A 7/0.26 T=105	J554	0.14	M
6176560602	WIRE,PVC (COATING)UL,CSA RED	600V 5A 7/0.26 T=105	J555	0.46	M
6176560600	WIRE,PVC (COATING)UL,CSA BLK	600V 5A 7/0.26 T=105	J556	0.45	M
5540100701	BINDER		J621-J628	8	pcs
5556308320	AC OUTLET (POLARIZED)	S-I6519-02#01	P551,552	2	pcs
5540100200	WIRE CLAMP,WITH TUBE	K-1127	P621-623	3	pcs
5554436300	POWER SWITCH,UL/CSA,VDE,TV-5	SDLIP-B/D, SK-1221	S501	1	pcs
5554432400	SLIDE SWITCH	SBN22-09	S502	1	pcs
5561317000	POWER TRANSFORMER (EI-96)	100/120/240V 50/60HZ	T501	1	pcs
5090406029	PCB ASS'Y	NAD-2100-46		1	pcs
5090906076	MAIN PCB BLOCK	NAD-2100-46		1	pcs
5547034000	THERMAL PROTECTOR HOLDER	NAD-7100	5C02	1	pcs
5545307700	TRATSISTOR HOLDER	NAD-7100	5C05	1	pcs
5546323400	TRANSISTOR RING	NAD-7100	5C09,5C10	2	pcs
7033161452	SCREW BRB M3*10 S-ZN-CC	C RUD 3010 TS ZN-CC	7S01-7S14	14	pcs
5213347091	CAP.,ELECTROLYTIC	CE04W 16V 47MFT T	C401,402	2	pcs
5231356191	CAP.,CERAMIC CK45	B DC 50V 560PFK T	C403,404	2	pcs
5236110401	CAP. SEMICONOUCTIVE	CG45X 25V 0.1UF K	C405-408	4	pcs
5247110091	CAP.,CERAMIC CC45	SL DC 50V 10PFK T	C409-412,	4	pcs
5247033091	CAP.,CERAMIC CC45	SL DC 50V 33PFJ T	C413,414	2	pcs
5213310091	CAP.,ELECTROLYTIC	CE04W 16V 10MFT T	C415,416,603,604	4	pcs
5213222191	CAP.,ELECTROLYTIC	CE04W 10V 220MFT T	C417,418	2	pcs
5214110091	CAP.,ELECTROLYTIC	CE04W 100V 10MFT T	C419-426,439-442	12	pcs
5247147191	CAP.,CERAMIC CC45	SL DC 50V 470PFK T	C427-430,	4	pcs
5222110491	CAP.,POLYESTER (MINI)	QP82M 50V 0.1MFJ T	C431-434	4	pcs
5231810401	CAP.,CERAMIC CK45	F DC 50V 0.1MFZ	C435-438	4	pcs
5213722091	CAP.,ELECTROLYTIC	CE04W 63V 22MFT T	C443-446,449	5	pcs
5213310010	CAP.,ELECTROLYTIC,MINI	CE04W 16V 10MFT	C447,448	2	pcs
5231810401	CAP.,CERAMIC CK45	F DC 50V 0.1MFZ	C502	1	pcs
5272222301	CAP.,METALLIZED P.E. P=10	CF93M 250V 22000PFK	C503-505	3	pcs
5210307900	CAP.,ELECTROLYTIC	CEL1W 80V 10000MFM	C507,508	2	pcs
5210307800	CAP.,ELECTROLYTIC	CEL1W 50V 10000MFM	C509,510	2	pcs
5213610212	CAP.,ELECTROLYTIC	CE04W 50V 1000MFT	C511,512	2	pcs
5213547091	CAP.,ELECTROLYTIC	CE04W 35V 47MFT T	C513,514,519,520	4	pcs
5247022091	CAP.,CERAMIC CC45	SL DC 50V 22PFJ T	C515,516	2	pcs
5213647991	CAP.,ELECTROLYTIC	CE04W 50V 4.7MF T	C517,518	2	pcs
5213222091	CAP.,ELECTROLYTIC	CE04W 10V 22MFT T	C601,602,609	3	pcs
5213601091	CAP.,ELECTROLYTIC	CE04W 50V 1MF T	C605	1	pcs
5236110401	CAP. SEMICONOUCTIVE	CG 45X 25V 0.1UF K	C606	1	pcs
5213247091	CAP.,ELECTROLYTIC	CE04W 10V 47MFT T	C607,608	2	pcs

PARTS NO.	DESCRIPTION	SPECIFICATION	SYMBOL NO.	QTY	UM
5213647891	CAP.,ELECTROLYTIC	CE04W 50V 0.47MFU T	C610,	1	pcs
6613003030	DIODE,SWITCHING TAPING 52	1N4148	D401-404,409-424,601, 602,437-440	25	pcs
6615005734	DI ZEN UZ-5.6B-M UNI	5.4-5.8V 0.5W TAPING 26MM	D405-408,	4	pcs
6615009757	DI ZEN HZ6-A-3 HIT	0.5W 5.4-5.7V TAPING 52M	D405-408,	4	pcs
6613007131	DI SWI 1SS81 HIT	200V 1A TAPING 52MM	D425-428	4	pcs
6611031040	DI REC GFB30B SYO	100V 3A SWITCHING T=52MM	D429-432	4	pcs
6611031200	DI REC SRP600B GIT	100V 6A	D433-436	4	pcs
6615007264	DI ZEN HZ-7B-1 HIT	6.7V-7.0V 0.5W TAPING 52	D441-444	4	pcs
6611030700	DI REC KBL04 GDT	400V 4A BRIDGE	D501	1	pcs
6611030800	DI REC KBU6D GIT	200V 6A BRIDGE	D502	1	pcs
6611029701	DI REC W01M GIT	100V 1.5A BRIDGE	D503	1	pcs
6615005246	DIODE ZENER HIT	HZ16-1 15.3-15.9V 0.5W T	D504	1	pcs
6611007230	DEODE,RECTIFIER TAPING	1N4002 100V 1A	D603-605	3	pcs
5554432500	PTC SWITCH (50V/40A)	RDE185A	E501,502	2	pcs
5554435100	THERNAL PROTECT SWITCH	TP110LK91	E500	1	pcs
5554501900	RELAY	VB-24MB-TV3	E601,602	2	pcs
5554306501	FUSE UL & CSA 5.2*20	250V 500mA	F501,502	2	pcs
5554303401	FUSE 5.2*20 UL/CSA	250V 6.3A	F503-506	4	pcs
6101006000	WIRE,TIN COATED SOFT COPPER	0.6MM	J401-465,501-510, J601-604	4.74	M
6173312806	WIRE,SHIELD UL-1533	SRPVC 28# 7/0.12	J471	0.34	M
6130003533	WIRE,PVC ORANGE	24AWG 7/0.2 ATC UL1107	J472	0.26	M
6179302808	WIRE,TWIN SHIELD UL-2547 GRY	SRPVC 300V 28# 7/0.12	J473,478	0.335	M
6179302806	WIRE,TWIN SHIELD UL-2547 BLU	SRPVC 300V 28# 7/0.12	J479	0.685	M
6179302802	WIRE,TWIN SHIELD UL-2547 RED	SRPVC 300V 28# 7/0.12	J480	0.66	M
6130003599	WIRE,PVC WHITE	24AWG 7/0.2 ATC UL1107	J481	0.38	M
6130003522	WIRE,PVC RED	24AWG 7/0.2 ATC UL1107	J482	0.39	M
6130003500	WIRE,PVC BLACK	24AWG 7/0.2 ATC UL1007	J515	0.09	M
6130005400	WIRE,PVC BLACK	20AWG 7/0.32 UL1007	J516	0.05	M
6130003577	WIRE,PVC PURPLE	24AWG 7/0.2 ATC UL1107	J517	0.37	M
6130003555	WIRE,PVC GREEN	24AWG 7/0.2 ATC UL1107	J518	0.37	M
6177341702	WIRE,STRANDED 1007 TR-64 RED	PVC 300V 22# 17/0.16	J531	0.185	M
6177341703	WIRE,STRANDED 1007 TR-64 ORN	PVC 300V 22# 17/0.16	J532	0.19	M
6177341700	WIRE,STRANDED 1007 TR-64 BLK	PVC 300V 22# 17/0.16	J533	0.19	M
6177341702	WIRE,STRANDED 1007 TR-64 RED	PVC 300V 22# 17/0.16	J534	0.16	M
6177341703	WIRE,STRANDED 1007 TR-64 ORN	PVC 300V 22# 17/0.16	J535	0.155	M
6177341700	WIRE,STRANDED 1007 TR-64 BLK	PVC 300V 22# 17/0.16	J536	0.16	M
6177341708	WIRE,STRANDED 1007 TR-64 GRY	PVC 300V 22# 17/0.16	J537	0.25	M
6177341701	WIRE,STRANDED 1007 TR-64 BRN	PVC 300V 22# 17/0.16	J538	0.235	M
6177341708	WIRE,STRANDED 1007 TR-64 GRY	PVC 300V 22# 17/0.16	J539	0.185	M
6177341701	WIRE,STRANDED 1007 TR-64 BRN	PVC 300V 22# 17/0.16	J540	0.18	M
6177341704	WIRE,STRANDED 1007 TR-64 YEL	PVC 300V 22# 17/0.16	J541	0.07	M
5130003511	WIRE,PVC BROWN	24AWG 7/0.2 ATC UL1007	J611	0.08	M
6130003544	WIRE,PVC YELLOW	24AWG 7/0.2 ATC UL1007	J612	0.47	M
6130003588	WIRE,PVC GRAY	24AWG 7/0.2 ATC UL1007	J613	0.47	M
6130003599	WIRE,PVC WHITE	24AWG 7/0.2 ATC UL1007	J614	0.34	M
6130003544	WIRE,PVC YELLOW	24AWG 7/0.2 ATC UL1007	J615	0.36	M
6130003577	WIRE,PVC PURPLE	24AWG 7/0.2 ATC UL1007	J616	0.36	M
5562000800	SPRING COIL	JS87SP14	L401,402	2	pcs
5553128210	MAINAMP 329.5*230 94V-0 V-CUT	NAD-7100	B400	1	pcs
5556204600	4P SIGNAL JACK	12-2092	P401	1	pcs
5556201900	SQUARE PIN	1.1*1.1*16	P402-407,513-520	14	pcs
5547032210	FUSE CLIP (5.2)	CQ-203S	P501-512	12	pcs
6623011300	TR PNP 2SA1239G SYO	VECO=-120V PC=0.2W	Q401,402	2	pcs
6621034500	TR NPN 2SC3066G SYO	VCEO=120V PC=0.2W	Q403,404	2	pcs
6623002050	TR. PNP HF 2SA1015-YTPE2 TSB	TAPING 26MM	Q405,406,417,418,453 Q501,606,607	8	pcs
6621015332	TR. NPN 2SC1815-YTPE2 TSB	TAPING 26MM	Q407,408,419,420,454 Q502,427,428	8	pcs
6623005000	TRANSISTOR,PNP HF	2SA970-GR	Q409,410,413,414,449 Q450,603,604	8	pcs
6621016701	TR. NPN HF 2SC2240-GR TSB	TOSHIBA, LOW NOISE	Q411,412,415,416,451 Q452,601,602	8	pcs
6623011530	TR PNP HF SYO	2SA1370E HFE=100-200T	Q421,422,429,430	4	pcs
6621034430	TR NPN HF SYO	2SC3467E HFE=100-200 T	Q423,424,431,432	4	pcs
6621034600	TR PNP 2SC3423Y TSB	VCBO=150V PC=1.2W HFE=12	Q425,426	2	pcs
6623011600	TR PNP 2SA1011E SYO	-160V -1.5A M:IS-313A B:M	Q433,434	2	pcs
6621035000	TR NPN HF 2SC2344E SYO	160V 1.5A M:IS-313A B:M	Q435,436	2	pcs
6623011200	TR PNP 2SA1302-O W/ACC TSB	VCBO=-200V IC=-15AA 150W	Q437,438	2	pcs
6621034200	TR NPN 2SC3281-OW/ACC TSB	VCBO=200V IC=15A PC=150W	Q439,440	2	pcs
6621034900	TR NPN HF 2SC1238LS SYO	80V 12A M:IS-20MA B:C	Q441,442	2	pcs
6624010800	TR PNP 2SB922LS SYO	-80V -12A M:IS-20MA B:C	Q443,444	2	pcs
6622019030	TR NPN 2SD1207T TAPING SYO	VCBO=-50V IC=-2A PC=1W	Q445,446	2	pcs
6624010630	TR PNP 2SB892T TAPING SYO	VBCO=-50V IC=-2A PC=1W	Q447,448	2	pcs
6624009401	TR PNP 2SB649A-C HIT	VCBO=-160V PC=1W TO126	Q503	1	pcs
6622012802	TR NPN LF 2SD669AC W/ACC HIT	VCEO=160V PC=1W TO126	Q504	1	pcs
6644020800	IC TA-7317P TSB	PROTECTION CKT	Q605	1	pcs
5142822490	RES.,CARBON FILM	1/4 W 220Kohm J B	R401,402	2	pcs
5142810390	RES.,CARBON FILM	1/4W 10 Kohm J B	R403,404,629	3	pcs
5142818290	RES.,CARBON FILM	1/4 W 1.8Kohm J B	R405,406,435,436	4	pcs
5142847290	RES.,CARBON FILM	1/4 W 4.7Kohm J B	R407,408,502	3	pcs
5145847006	RES.,CARBON FILM	1/4 W 47 ohm J2U	R409,410,413,414	4	pcs
5145847090	RES.,CARBON FILM	1/4 W 47 ohm J B	R411,412,415,416	4	pcs
5142882190	RES.,CARBON FILM	1/4 W 820ohm J B	R417-420,439-442,601 R602,	10	pcs
5142822290	RES.,CARBON FILM	1/4 W 2.2Kohm J B	R421-424	4	pcs
5142822190	RES.,CARBON FILM	1/4 W 220ohm JB	R425,426	2	pcs
5142810190	RES.,CARBON FILM	1/4 W 100ohm J B	R427-430,449,450,473 R459-462,474,477,478 R487,488,510,	17	pcs
5136382203	RES.,METAL OXIDE FILM	1 W 8.2Kohm JSL	R431,432	2	pcs
5142412306	RES.,CARBON FILM	1/2 W 12Kohm 2U	R433,434	2	pcs
5162347120	RES.,VR PC1DFBIOIAR 1/8W B	H10SA1471-TT(470 OHM)	R437,438	2	pcs
5142833190	RES.,CARBON FILM	1/4 W 330ohm J B	R443,444	2	pcs
5136003200	RES.,METAL PLATE CEMENT	5W 0.22 ohm K	R445,446,447,448	4	pcs
5145810290	RES.,CARBON FILM	1/4 W 1K ohm J B	R451-454,626	5	pcs
5142847190	RES.,CARBON FILM	1/4 W 470ohm J B	R455-458	4	pcs
5130468203	RES.,METAL OXIDE FILM MINI.	2 W 6.8Kohm JSL	R463,464,465,466.	4	pcs
5130412303	RES.,METAL OXIDE FILM MINI.	2 W 12Kohm J SL	R467,468,469,470.	4	pcs
5130422903	RES.,METAL OXIDE FILM MINI.	2 W 2.2ohm J SL	R471,472	2	pcs
5130347203	RES.,METAL OXIDE FILM MINI.	1 W 4.7Kohm J SL	R475	1	pcs
5142833290	RES.,CARBON FILM	1/4 W 3.3Kohm J B	R476,	1	pcs
5142827390	RES.,CARBON FILM	1/4 W 27Kohm J B	R479,480	2	pcs
5142822290	RES.,CARBON FILM	1/4 W 2.2Kohm J B	R481,482,489	3	pcs
5142839190	RES.,CARBON FILM	1/4 W 390ohm J B	R483,484	2	pcs
5136310003	RES.,METAL OXIDE FILM	1 W 10 ohm JSL	R485,486	2	pcs
5142810090	RES.,CARBON FILM	1/4 W 10 ohm J B	R501	1	pcs
5142815290	RES.,CARBON FILM	1/4 W 1.5Kohm J B	R503-506,609,610,	6	pcs
5142812290	RES.,CARBON FILM	1/4 W 1.2Kohm J B	R507-509	3	pcs
5142822390	RES.,CARBON FILM	1/4 W 22Kohm J B	R511	1	pcs
5142818390	RES.,CARBON FILM	1/4 W 18Kohm J B	R512	1	pcs

PARTS NO.	DESCRIPTION	SPECIFICATION	SYMBOL NO.	QTY	UM
5142818490	RES.,CARBON FILM	1/4 W 180Kohm J B	R513	1	pcs
5142110300	RES.,CARBON FILM	1/6 W 10 Kohm J B	R603,604,	2	pcs
5142133300	RES.,CARBON FILM	1/6 W 33Kohm J	R605,606,624	3	pcs
5142812390	RES.,CARBON FILM	1/4 W 12Kohm J B	R607,608	2	pcs
5142812490	RES.,CARBON FILM	1/4 W 120Kohm J B	R611,612	2	pcs
5142815390	RES.,CARBON FILM	1/4 W 15Kohm J B	R613,	1	pcs
5142810490	RES.,CARBON FILM	1/4 W 100Kohm J B	R614,	1	pcs
5142847390	RES.,CARBON FILM	1/4 W 47Kohm J B	R615	1	pcs
5142122400	RES.,CARBON FILM	1/6 W 220Kohm J	R616,	1	pcs
5142856390	RES.,CARBON FILM	1/4 W 56Kohm J B	R617,618	2	pcs
5142156300	RES.,CARBON FILM	1/6 W 56Kohm J	R619,620,623	3	pcs
5142868290	RES.,CARBON FILM	1/4 W 6.8Kohm J B	R621	1	pcs
5142882290	RES.,CARBON FILM	1/4 W 8.2Kohm J B	R622	1	pcs
5142856290	RES.,CARBON FILM	1/4 W 5.6Kohm J B	R625	1	pcs
5142868390	RES.,CARBON FILM	1/4 W 68 Kohm J B	R628	1	pcs
5142433201	RES.,CARBON FILM	1/2 W 3.3 Kohm J C	R630	1	pcs
5554431800	SLIDE SWITCH	FZUB22-10	S401,402	2	pcs
5090906077	LED PCB BLOCK	NAD-2100-46		1	pcs
7033161156	SCREW BRB M3*8 S-PC	C RUD 300B TS RC	7S15-7S17	3	pcs
6618009400	LED,LAMP	2*5MM YELLOW DIFFUSED	D701,	1	pcs
6618009100	LED,LAMP	2*5MM RED DIFFUSED	D702	1	pcs
5090906078	SPEAKER JACK PCB BLOCK	NAD-2100-46		1	pcs
5556205420	SPEAKER TERMINAL	SO-6249	P411,410	2	pcs
5090906079	NOR/LAB SWITCH PCB BLOCK	NAD-2100-46		1	pcs
5554431610	SLIDE SWITCH	SSSB022NB1-NB1-TT	S403	1	pcs
5090906090	LEVEL PCB BLOCK	NAD-2100-46		1	pcs
5222110491	CAP.,PLOYESTER (MINI)	CQ92M 50V 0.1MFJ T	C301-304	4	pcs
5247112191	CAP.,CERAMIC CC45 -	50V 120PFK T	C305,306	2	pcs
5213347091	CAP.,ELECTROLYTIC	CE04W 16V 47MFT	C307,308	2	pcs
6130003566	WIRE,PVC BLUE	24AWG 7/0.2 ATC UL1107	J301	0.11	M
6130003544	WIRE,PVC YELLOW	24AWG 7/0.2 ATC UL1107	J302	0.11	M
6644066600	IC LIN NJM2043D JRC	LIN PRE AMP *2 DIP 8	Q301	1	pcs
5169010473	RES.,VR. ,SK-1216	RK163111R668-5KB	R301,302	2	pcs
5142822490	RES.,CARBON FILM	1/4 W 220Kohm J B	R303,304,307,308	4	pcs
5142882390	RES.,CARBON FILM	1/4 W 82Kohm J B	R305,306	2	pcs
5142847190	RES.,CARBON FILM	1/4 W 470ohm J B	R309,310	2	pcs
5142810190	RES.,CARBON FILM	1/4 W 100ohm J B	R311,312	2	pcs
5142447101	RES.,CARBON FILM	1/2 W 470 ohm J C	R627,631	2	pcs
5554432100	2P PUSH SWITCH	SPUF21AE08-TT	S601	1	pcs
5090906091	POWER DISPLAY PCB BLOCK	NAD-2100-46		1	pcs
6618017300	DI LED EL103GD ELT	TOWER 2mm DIA GRN	D703	1	pcs
5090906092	POWER TERMINAL	NAD-2100-46		1	pcs
5554306501	FUSE UL & CSA 5.2*20	250V 5A, M1234	F507	1	pcs
6101006000	WIRE,TIN COATED SOFT COPPER	0.6MM	J571-574	0.24	M
5547034400	FLAT PIN 1.7 x 1.7 x 9.4	NAD-7100/2100, K-4683	P572-583	10	pcs

VERSION	VOLTAGE	COUNTRY
A	120 V	Canada.
A1	120 V	U.S.A.,Taiwen, Saudi Arabia.
A2	120 V/220 V Wire/With Adaptor	Germany Police.
B	240 V	U.K., South Africa.
B1	240 V	Australia.
C	220 V	Denmark, France, Finland, Greece, Hongkong, Israel, Thailand, Singapore, Iceland, Italy, New Zealand, Norway, Netherlands, Sweden, Switzerland, Spain.
C1	220 V	West Germany

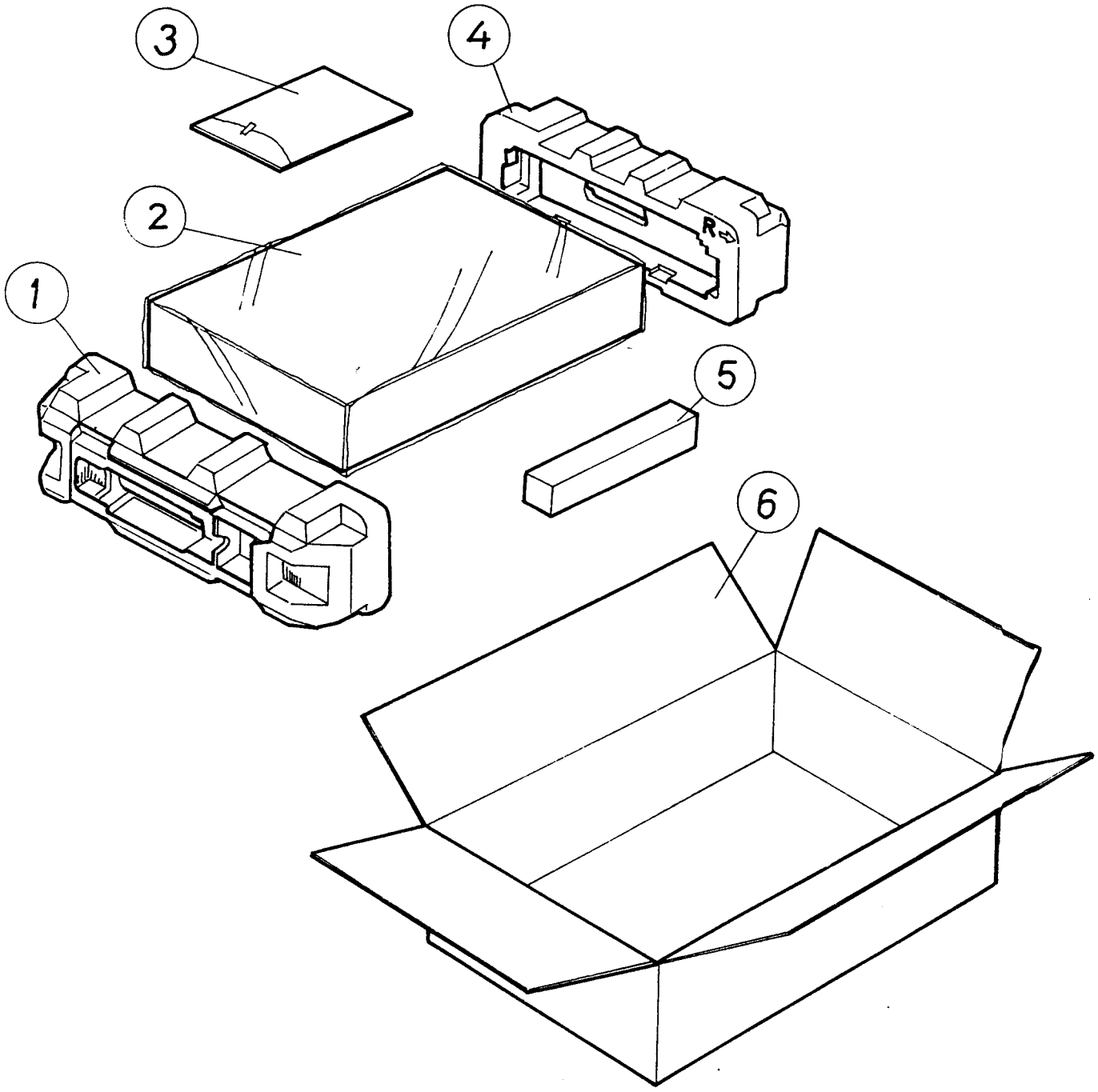
EXPLODED VIEW



NAD-2100 EXPLODED PARTS LIST:

ITEM	PARTS NO.	PARTS NAME	Q'TY
1	5541002400	TOP COVER	1
2	5547132300	BACK PLATE	1
3	5547131800	CHASSIS	1
4	5547131700	RIGHT PLATE	1
5	5547131600	LEFT PLATE	1
6	5547132000	FRONT BRACKET	1
7	5547131100	TRS. PLATE	1
8	5547033800	RIGHT BRACKET PLATE	1
9	5547034000	THERMAL PROTECTOR HOLDER	1
10	5545307800	HEAT SINK (A)	1
11	5545307810	HEAT SINK (B)	1
12	5545307700	TRATSISTOR HOLDER	1
13	5547024210	HEAT SINK	2
14	5541213400	FRONT PANEL	1
15	5541539000	PUSH KNOB	2
16	5541537510	CONTROL KNOB	2
17	5542226100	POWER BEZEL	1
18	5547802120	FOOT	4
19	5542006100	HEMELON (S)	2
20	5547528400	PLATE,SWITCH LOCK (PVC)	1
21	5547501200	BUSHING POWER CORD	1
22	5545403700	SHIELD COVER	1
23	5547034100	HEAT SINK BRACKET	1
24	5542226700	BEZEL	1
25	5561317000	POWER TRANSFORMER (EI-96)	1
26	5547530400	HOLDER-PCB	4
27	5532410700	SPACER	1
28	5556702130	AC OUTLET (POLARIZED)	1
29	5556308320	AC POWER W/PLUG PL.BLK UL/CS	2
30	7076260012	NUT 4	4
31	7098250002	WASHER	4
32	7190550003	SCREW M4*6 MS	6
33	7033161156	SCREW RUD M3*8 TS	26
34	7001171116	SCREW PAN M3*8 MS	6
35	7033160652	SCREW RUD M3*6 TS	24
36	7031161452	SCREW PAN M3*10 TS	4
37	7000311122	RUD M4*10	4
38	7000305022	SCREW RUD M3*10 TS	4
39	5541539000	POWER PUSH KNOB	1
40	7033161452	SCREW RUD M3*10 TS	14

PACKING DIAGRAM



PACKING LIST FOR NAD-3100/NAD-2100

ITEM	PARTS NO.	NAME	QTY
1	9520680155	POLYLON L.	1
2	9530680155	EPE BAG	1
3	5535122011	OWNERS MANUAL	1
4	9520680255	POLYLON R.	1
5	9520685155	POLYLON BAR	1
6	9510680155	CARTON	1